

SRTM DTED and NED Data for EOS Core Sites

The Shuttle Radar Topographic Mission (SRTM) Digital Terrain elevation Data-2 (DTED-2) are the finished DTED level-2 (1-arc-second, or nominal 30 meter post spacing) processed by NASA's Jet Propulsion Laboratory and edited by contractors for the National Geospatial-Intelligence Agency (NGA). Elevation spikes and wells that exceed 100m have been eliminated. Small voids consisting of 16 contiguous posts or less in extent, have been filled by interpolation. Larger voids, however, remain in the data. Water bodies have been identified, delineated, and their elevations have been set to constant values. The SRTM DTED-2 over U.S. territory are Public Domain data and are unrestricted. All other SRTM DTED-2 data are only available for limited distribution through written agreement with NGA.

Source data for the National Elevation Data (NED) are selected from the available digital elevation models (DEMs) according to the following ranking (highest priority listed first):

- (1) high-resolution elevation data
- (2) 10-meter USGS DEMs
- (3) 30-meter Level 2 USGS DEMs
- (4) 30-meter Level 1 USGS DEMs
- (5) 2-arc-second USGS DEMs
- (6) 3-arc-second USGS DEMs

Note that the 2-arc-second DEMs are used only in Alaska, and the 3-arc-second DEMs are used only to fill in values over some large water bodies.

Please refer to the USGS Seamless Distribution system website (<http://seamless.usgs.gov>) for more detailed information on the NED and SRTM source data.

There are up to 3 products available per core site: SRTM DTED (30 or 90m) in Geographic and UTM projections; and NED in the UTM projection. DTED-2 and NED data are available for U.S. sites, while international sites contain SRTM DTED-1 data only.

Details about the data sets are listed below, while site-specific information on file size and type are listed in the subsequent pages.

Data File Format: GEOTIFF

Byte Order: (I) Little Endian

Datum: WGS84

Projection: UTM / GEOGRAPHIC

Resolution: 30m, 1-arcsec, 90m, 3-arcsec

United States Core Sites:

<u>SRTM UTM 30m Sites</u>	<u>Image Width</u>	<u>Image Length</u>	<u>Image Type</u>
ARM/CART, SGP	16864	7597	16-bit signed int
BONDVILLE	12542	6397	16-bit signed int
CASCADES/H.J. ANDREWS LTER	20047	7487	16-bit signed int
HARVARD FOREST LTER	11731	6578	16-bit signed int
HOWLAND	11695	6298	16-bit signed int
JORNADA LTER	12594	6417	16-bit signed int
KONZA PRAIRIE LTER	13002	6536	16-bit signed int
MARICOPA AQ. CNT.	12977	6332	16-bit signed int
CHEQ.-NICOLET NF - PARK FALLS	15655	6966	16-bit signed int
PUGET SOUND	16668	6668	16-bit signed int
RAILROAD VALLEY	13334	6668	16-bit signed int
SALSA SAN PEDRO	12609	6329	16-bit signed int
SEVILLETA LTER	12885	6411	16-bit signed int
BARC, USDA ARS	11618	6438	16-bit signed int
VIRGINIA COAST RESERVE	11352	6304	16-bit signed int
WALKER BRANCH	11771	6513	16-bit signed int
LAKE TAHOE	14660	6133	16-bit signed int

<u>SRTM GEO 1-arc-second Sites</u>	<u>Image Width</u>	<u>Image Length</u>	<u>Image Type</u>
ARM/CART, SGP	20681	7689	16-bit signed int
BONDVILLE	16070	6406	16-bit signed int
CASCADES/H.J. ANDREWS LTER	24711	7504	16-bit signed int
HARVARD FOREST LTER	15702	6763	16-bit signed int
HOWLAND	16326	6149	16-bit signed int
JORNADA LTER	14631	7202	16-bit signed int
KONZA PRAIRIE LTER	16443	6687	16-bit signed int
MARICOPA AQ. CNT.	15160	6287	16-bit signed int
CHEQ.-NICOLET NF - PARK FALLS	22173	7331	16-bit signed int
PUGET SOUND	24347	6680	16-bit signed int
RAILROAD VALLEY	16394	6668	16-bit signed int
SALSA SAN PEDRO	14509	5825	16-bit signed int
SEVILLETA LTER	15282	6451	16-bit signed int
BARC, USDA ARS	14671	6498	16-bit signed int
VIRGINIA COAST RESERVE	14030	6220	16-bit signed int
WALKER BRANCH	14300	6647	16-bit signed int
LAKE TAHOE	18542	6411	16-bit signed int

<u>NED UTM 30m Sites</u>	<u>Image Width</u>	<u>Image Length</u>	<u>Image Type</u>
ARM/CART, SGP	16863	7596	16-bit unsigned int
BARROW	22519	6359	8-bit signed
BONDVILLE	12541	6396	16-bit unsigned int
CASCADES/H.J. ANDREWS LTER	20046	7486	16-bit signed int
HARVARD FOREST LTER	11730	6577	16-bit signed int
HOWLAND	11694	6297	16-bit signed int
JORNADA LTER	12593	6416	16-bit unsigned int
KONZA PRAIRIE LTER	13001	6535	16-bit unsigned int
LAKE TAHOE	14659	6133	16-bit unsigned int
MARICOPA AQ. CNT.	12976	6331	16-bit unsigned int

United States Core Sites: (NED continued)

<u>NED UTM 30m Sites</u>	<u>Image Width</u>	<u>Image Length</u>	<u>Image Type</u>
CHEQ.-NICOLET NF - PARK FALLS	15654	6965	16-bit unsigned int
PUGET SOUND	16666	6666	16-bit signed int
RAILROAD VALLEY	13333	6667	16-bit unsigned int
SALSA SAN PEDRO	12608	6328	16-bit unsigned int
SEVILLETA LTER	12884	6410	16-bit unsigned int
BARC, USDA ARS	11617	6437	16-bit signed int
VIRGINIA COAST RESERVE	11351	6303	8-bit signed int
WALKER BRANCH	11770	6512	16-bit unsigned int

International Core Sites:

<u>SRTM UTM 90m Sites</u>	<u>Image Width</u>	<u>Image Length</u>	<u>Image Type</u>
BARTON BENDISH, EAST ANGLIA	2187	2143	16-bit signed int
BOREAS NSA	5141	2152	16-bit signed int
BOREAS SSA	5254	2151	16-bit signed int
JI-PARANA (LBA: JARU TOWER)	2471	2067	16-bit signed int
KRASNOYARSK	4979	2191	16-bit signed int
MANDALGOBI	4918	2163	16-bit signed int
MONGU	2319	2085	16-bit signed int
SKUKUZA, KRUGER NP	2578	2090	16-bit signed int
TAPAJOS (LBA: SANTAREM)	2175	2063	16-bit signed int
UARDRY NSW	5095	2151	16-bit signed int

<u>SRTM-1 GEO 3-arc-second Sites</u>	<u>Image Width</u>	<u>Image Length</u>	<u>Image Type</u>
BARTON BENDISH, EAST ANGLIA	1804	2152	16-bit signed int
BOREAS NSA	4540	2113	16-bit signed int
BOREAS SSA	4383	2117	16-bit signed int
JI-PARANA (LBA: JARU TOWER)	2443	2028	16-bit signed int
KRASNOYARSK	4567	2217	16-bit signed int
MANDALGOBI	6968	2184	16-bit signed int
MONGU	2356	2059	16-bit signed int
SKUKUZA, KRUGER NP	2784	2066	16-bit signed int
TAPAJOS (LBA: SANTAREM)	2117	2019	16-bit signed int
UARDRY NSW	6047	2175	16-bit signed int